

PATENT ATTORNEY DOCKET NO. 50004/003004

AF 1637
NT 1637

Certificate of Mailing: Date of Deposit: February 3, 2005

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Christine M. Colbert

Printed name of person mailing correspondence

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Service as first class mail with sufficient postage on the date indicated above and is addressed to Mail Stop AF,

Applicant:

Roy A. Gravel et al.

Art Unit:

1632

Serial No.:

09/487,841

Examiner:

Shin-Lin Chen

Filed:

January 19, 2000

Customer No.:

21559

Title:

HUMAN METHIONINE SYNTHASE REDUCTASE: CLONING, AND METHODS FOR EVALUATING RISK OF NEURAL TUBE DEFECTS, CARDIOVASCULAR DISEASE, CANCER, AND

DOWN'S SYNDROME

Mail Stop AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

REPLY TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCES

In reply to the Notice to Comply with Requirements for Patent Applications

Containing Nucleotide and/or Amino Acid Sequences that was mailed in connection with
the above-captioned application on January 7, 2005, Applicants' submit the following:

A substitute paper copy of the Sequence Listing.

A substitute copy of the Sequence Listing in computer readable form.

A statement that the contents of the paper and computer readable forms of the

Sequence Listing are the same as one another and contain no new matter.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: Kelruans 3, 2005

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ristina/Bieker-Brady, Ph.D., P.C

Reg. No. 39,109

Clark & Elbing LLP 101 Federal Street Boston, MA 02110

Telephone: 617-428-0200 Facsimile: 617-428-7045



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/487,841	01/19/2000	Roy A. Gravel	50004/003004	3640
21559 7	590 01/07/2005		EXAMINER	
CLARK & E		man had a man a second	CHEN, SHIN LIN	
101 FEDERAL BOSTON, MA		JAN 1 0 2005	ART UNIT	PAPER NUMBER
D 051011, 111	• ;		1632	
		CLANCO ELEKA LLP	DATE MAILED: 01/07/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

ACTION DUE 100111 DUE DATE 2.7.05
ESP 7.7.05
INITIALS MA





UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office 39/487,841

DATE MAILED:

Address: COMMISSIONER FOR PATENTS P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO. EXAMINER	
·				
			ART UNIT	PAPER
				20050106

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

A complete response in compliance with the sequence rules is required.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shin-Lin Chen whose telephone number is (571) 272-0726. The examiner can normally be reached on Monday to Friday from 9:30 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amy Nelson can be reached on (571) 272-0804. The fax phone number for this group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet, The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

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Shin-Lin Chen **Primary Examiner** Art Unit: 1632





UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS P.O. Box 1450

Alexandria, Virginia 22313-1450

FILING DATE APPLICATION NO. FIRST NAMED INVENTOR / ATTORNEY DOCKET NO. CONTROL NO. PATENT IN REEXAMINATION

EXAMINER

ART UNIT

PAPER

20050106

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Commissioner for Patents

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Shin-Lin Chen Primary Examiner

Art Unit: 1632

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Application No.: <u>c9/487,841</u>

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUMBLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

Ø	 This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
	2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
	3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
X	4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
	5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
	6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
K	"Sequence Listing" as required by 37 C.F.R. 1.821(e). 7. Other: The Sequence of Steel TO No. 61 and there is no sace IPNo. 62 in Sequence listing, and there is no sace IPNo. 62 in Sequence.
Ap	plicant Must Provide:
M,	An initial or <u>substitute</u> computer readable form (CRF) copy of the "Sequence Listing".
	An initial or <u>substitute</u> paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
A	A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
For	questions regarding compliance to these requirements, please contact:
For	Rules Interpretation, call (703) 308-4216 CRF Submission Help, call (703) 308-4212 entIn Software Program Support Technical Assistance

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY